

CONFIDENTIAL

Walt *WE*
 Hank *HO*
 Andy *AL*
 Warren *WB* 25X1

Note: Pse. return to JRF

13 February 1956

MEMORANDUM FOR: THE RECORD

SUBJECT : Visit to [] - Atsugi Clock Testing 25X1

1. On Wednesday, 1 February 1956, the writer visited [] for briefing and discussion concerning progress of the subject testing program. 25X1

2. As of that date, room and low temperatures tests had been completed. Results obtained from testing the small wrist-watch type delay indicated that the device will be reliable at temperatures no lower than 0°F. Four of the thirty units stopped at -5°F while the remainder had an average error of approximately two minutes slow.

3. Results observed from room and low temperature testing of the alarm-clock delay indicate possible undesirable performance. One run for delays of 3, 6, 9 and 12 hours for each of the thirty available units were made at room temperature. The maximum number of stoppages for any one run was 8 out of 30 for the 12 hour room temperature run. This occurred on the 12 hour run because a greater chance existed for burrs on gear teeth to revolve into interference positions than on the shorter delays.

In addition, 2 units stopped at the same reading of the hands as they did on previous tests. This would indicate the presence of a burr or malformed gear tooth.

One unit failed to fire (release firing pin) on the initial test, but fired successfully on subsequent tests. Also, another unit failed to fire on a subsequent test. These results portray a lack of reliability in that certain units which appear satisfactory on one occasion may fail to fire in a later test.

Furthermore, several of the alarm clock units which stopped for most of the tests functioned satisfactorily in the uncocked condition.

Also, two units were observed to have loose and free-swinging minute hands without previous rough handling.

4. During the writer's visit, the outline form for the final report was established, and it is expected that all results will be available for incorporation into the report by 15 February 1956.

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